UL 1309

STANDARD FOR SAFETY

Marine Shipboard Cable

UL Standard for Safety for Marine Shipboard Cable, UL 1309

Third Edition, Dated April 21, 2017

Summary of Topics

This new edition of ANSI/UL 1309 is being issued to incorporate the following changes in requirements:

1. Updates to the Standard for Safety for Marine Shipboard Cable, UL 1309 to Coordinate with the Recommended Practice for Marine Cable for Use on Shipboard and Fixed or Floating Facilities, IEEE 1580, Revised Table 4.2 and Table 38.1;

2. Definition of Spacing Between Cable Holes, Revised 29.2;

3. Correction to Test Temperature in 29.3;

4. Clarification of Reference to Test, Revised 5.4.2.1;

5. Clarification to Constructions Subject to Requirement, Revised 14.1.2, 14.1.3, 14.2.1; and

6. Updated IEC Standard Number, Revised 40.1(j).

The revised requirements are substantially in accordance with Proposal(s) on this subject dated September 16, 2016 and March 10, 2017.

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UL 1309

Standard for Marine Shipboard Cable

First Edition – July, 1995
Second Edition – April, 2011

Third Edition

April 21, 2017

This ANSI/UL Standard for Safety consists of the Third edition.

The most recent designation of ANSI/UL 1309 as an American National Standard (ANSI) occurred on April 21, 2017. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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APPENDIX A – RECOMMENDED PRACTICE FOR COLOR CODE FOR CONTROL AND SIGNAL CABLES[a]

INTRODUCTION

1 Scope

1.1 This Standard specifies the requirements for distribution (power) cables, and control and signal cables for installation aboard marine vessels, fixed and floating offshore petroleum facilities, and mobile offshore drilling units (MODUs), in accordance with industry installation standards and the regulations of the authorities having jurisdiction. The cables are single or multi-conductor, with or without metal armor and/or jacket, and are rated 300 V – 35 kV.

1.2 These cables are not intended for use in accordance with the National Electrical Code (NEC), ANSI/NFPA 70. Cables that also meet the requirements for use with the NEC may be additionally marked with the appropriate ″Type″ designation from the NEC.

2 Units of Measurement

2.1 In addition to being stated in the inch/pound units that are customary in the USA, each of the requirements in this standard is also stated in units that make the requirement conveniently usable in countries employing the metric system (practical SI). Equivalent – although not necessarily exactly identical – results are to be expected from applying a requirement in USA or metric terms. Equipment calibrated in metric units is to be used when a requirement is applied in metric terms.

3 References

3.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

CONSTRUCTION

4 Copper Conductors

4.1 General

4.1.1 All conductors shall be of soft annealed stranded copper wire. The conductors may be tinned or alloy coated where necessary to ensure compatibility with primary insulation. Conductor sizes and resistances shall comply, within allowable tolerances, with the Reference Standard for Electrical Wires, Cables, and Flexible Cords, UL 1581.